

COMPLETE LISTING OF THE CLAIMS

The following lists all of the claims that are or were in the above-identified patent application. The status identifiers respectively provided in parentheses following the claim numbers indicate the current statuses of the claims.

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Claims 1-9 (Cancelled)

10. (Previously Presented) A telephoto lens comprising:
a first aspheric lens and a second aspheric lens positioned to form a subsystem that operates at finite conjugates; and
a magnifying system positioned to magnify an image of the subsystem, wherein the magnifying system comprises a first negative lens, which has a negative focal length.

11. (Currently Amended) The telephoto lens of claim 10, wherein the magnifying system further comprises a second negative lens, which has a negative focal length.

12. (Currently Amended) The telephoto lens of claim 10, wherein the first and second aspheric lenses are substantially identical.

13. (Previously Presented) A telephoto lens comprising:
a first aspheric lens and a second aspheric lens positioned to form a subsystem that operates at finite conjugates; and
a magnifying system positioned to magnify an image of the subsystem, wherein:
the first aspheric lens is positioned so that an object is at a focal point of the first aspheric lens; and
the second aspheric lens is positioned so that an image of the first aspheric lens is an object of the second aspheric lens.

14. (Currently Amended) The telephoto lens of claim 13, wherein the first and second aspheric lenses are substantially identical.

15. (Currently Amended) The telephoto lens of claim 13, wherein the subsystem including the first and second aspheric lenses provides unit magnification.

16. (Canceled)

17. (Currently Amended) ~~The~~ A telephoto lens of claim 16 comprising:
a first aspheric lens and a second aspheric lens positioned to form a subsystem; and
a magnifying system positioned to magnify an image of the subsystem, wherein the
magnifying system further comprises a first negative lens, which has a negative focal
length, and a second negative lens, which has a negative focal length.

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18. (Currently Amended) ~~The~~ A telephoto lens of claim 16 comprising:
a first aspheric lens and a second aspheric lens positioned to form a subsystem,
wherein the first and second aspheric lenses are substantially identical; and
a magnifying system positioned to magnify an image of the subsystem, wherein the
magnifying system comprises a first negative lens, which has a negative focal length.

19. (Currently Amended) ~~The~~ A telephoto lens of claim 16, wherein the first and
second aspheric lenses comprising:
a first aspheric lens and a second aspheric lens positioned to form a subsystem of
unit magnification; and
a magnifying system positioned to magnify an image of the subsystem, wherein the
magnifying system comprises a first negative lens, which has a negative focal length.

20. (Canceled)

21. (Currently Amended) ~~The system~~ telephoto lens of claim 10, wherein the
subsystem including the first and second aspheric lenses provides unit magnification.